

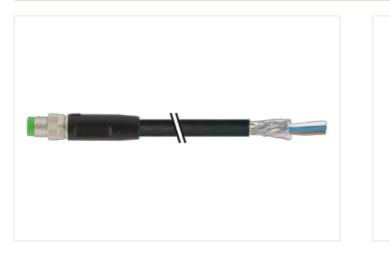
M8 male 0° A-cod. with cable shielded

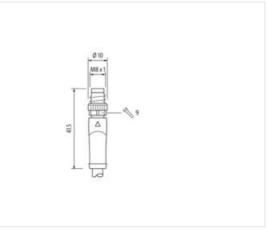
PUR 4x0.34 shielded bk UL/CSA+drag ch. 15m

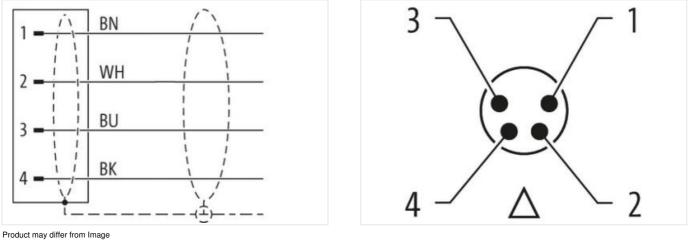
Male straight M8, 4-pole shielded with cable sleeves Plastic housings with good resistance against chemicals and oils. The resistance to aggressive media should be individually tested for your application. Further details on request. Further cable lengths on request.

Link to Product











15 m

0,4 Nm

Cable length

Side 1

Tightening torque

The information in this Product-PDF has been compiled with the utmost care. Liability for the correctness completeness and topicality of the information is restricted to gross negligence. Version: 2024-05-20

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Mounting method	inserted, screwed
Family construction form	M8
Thread	M8 x 1
suitable for corrugated tube (internal \emptyset)	6,5 mm
Material	PUR
Width across flats	SW9
Degree of protection (EN IEC 60529)	IP65, IP66K, IP67
Commercial data	
ECLASS-6.0	27279218
ECLASS-6.1	27279218
ECLASS-7.0	27279218
ECLASS-8.0	27279218
ECLASS-9.0	27060311
ECLASS-10.1	27060311
ECLASS-11.1	27060311
ECLASS-12.0	27060311
ETIM-5.0	EC001855
customs tariff number	85444290
GTIN	4048879579421
Packaging unit	1
Electrical data Supply	
Operating voltage AC max.	50 V
Operating voltage DC max.	60 V
Operating voltage AC (UL-listed)	30 V
Operating voltage DC (UL-listed)	30 V
Current operating per contact max.	4 A
Installation Connection	
Mounting set	M8 x 1
Device protection Electrical	
Additional condition protection degree	inserted, screwed
Rated surge voltage	0,8 kV
Mechanical data Material data	
Coating locking	nickel plated
Coating of fitting	nickel plated
Locking material	Brass
Material screw connection	Brass
Mechanical data Mounting data	
Mounting method	inserted, screwed, Shaking protection
Environmental characteristics Climatic	
Operating temperature min.	-25 °C
Operating temperature max.	85 °C
Additional condition temperature range	depending on cable quality
Important installation notes	
Note on strain relief	Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.
Note on bending radius	Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.
Conformity	
Product standard	DIN EN 61076-2-114 (M8)
Installation Cable	
Cable identification	641

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Jacket Color black Type of Certificate cURus Amount standing 1 Stranding 4 wires wisted Cable shelding (tope) cooper taukul, fund Cable shelding (tope) Book Bandring Pleace, Foll wire arrangement brown, black, blue, write Cable shelding (tope) 50 g m Shore hardness jacket PLR Shore hardness jacket PLR Shore hardness jacket PLR Shore hardness jacket PLR Outer diameter (acket) 5.3 mm Tofesamo octair diameter (webst) 1.6 %. Material wise insulation PP Ancount twise 4 Outer diameter tolerance carre insulation 1.2 5 % Strom hardness wise insulation 7.1 5 Shore D Diameter of indepression 0.1 Arrano Cardcard or pression 0.1 Arrano Cardcard traps (wise) 4.2 Dameter of indepression 0.1 mm Cardcard traps (wise) 0.1 mm Cardcard treps (wise)	Cable Type	3
Arround stranding 1 Stranding 4 wire kristed Cable sitekting (type) copper braid, timed Cable sitekting (type) copper braid, timed Cable sitekting (type) borom, black, blue, white Cable sitekting (type) borom, black, blue, white Cable wight 50 5 g/m Material jackst PUR Shore hurdness jackst 90 5 Shore A Freedom from ingredents (jackst) lead free, cambum-free, CFC free, halogen free, silcone-free Outer-diameter (jackst) 1.5 % Material alwei insultation PP Armount vires 4 Outer diameter insultation 1.2 % m Cuter diameter insultation 1.2 % m	Jacket Color	black
Stranding 4 wires hvisted Cable shelding (type) copper braid, timed Cable shelding (type) 50 8 µm Banding Fleece, Foll wire arrangement brown, black, blue, white Cable shelding (type) 50 8 µm Material jacket PUR Shore hardness jacket 92 5 Shore A Freedom from ingredients (jacket) laad free, cadmum-free, CFC-free, halogan-free, silicone-free Caler - diameter (jacket) 5.5 % Material wer insulation PP Around were insulation 1.25 mm Caler diameter (insulation 1.25 mm Caler diameter insulation 1.25 from Outer diameter insulation 1.25 mm Cander diret freeness wire insulation 1.25 from Durater diret resonation 1.83 free, cadmium-free, CFC-free, halogan-free, silicone-free Armount wires 0.4 Canductor rupper wires 0.4 mm Canductor rupper wires Strand class 6 Traversing distance (C-mack) 5 m @ Strand class 6 Traversing distance (C-mack) 5 m @ Strand class 6 Traversing distance (C-mack) 5 m @ Str @ Notroortal <	Type of Certificate	cURus
Cable shielding (type) coppor braid, funed Cable shielding (coverage) 80 % Bandring Floeco, Foll wire arrangement brown, black, blue, white Cable weigh 50 & 5 (m) Material jackot PUR Shore hardness jacket 90 ± 5 Shore A Freedom from ingedients (jacket) 83 ± 7 m Tolerance outer diameter (sheath) ± 5 % Material ware insulation PP Amount wires 4 Outer diameter insulation 1 ± 5 % Material ware insulation 1 ± 5 % Shore handress wire insulation 1 ± 5 % Material ware insulation 1 ± 5 % Shore handress wire insulation 1 ± 5 % Material ware insulation 1 ± 5 % Conductor processor insulation 1 ± 5 % Material origing wires 4 Outer diameter insulation 1 ± 5 % Shore handress wire insulation 1 ± 5 % Material origing wires 1 ± 1 mm Conductor yee (wire) 4 2 Dameter origing wires 1 mm <	Amount stranding	1
Cable shielding (coverage) 80 %. Banding Plaece, Foll wire arrangement brown, black, blue, white Cable weigh 50.6 g/m Material jacket PUH Shore hardness jacket 90 1 5 Shore A Freedom from ingredients (jacket) lead-free, catimum-free, CFC-free, halogen-free, silicone-free Outer diameter (jacket) 5.3 m Tolerance outer diameter (sheath) 2 5 % Material jacket PP Amount wires 4 Outer diameter insulation 1.25 mm Outer diameter insulation 1.25 fshore D Shore hardness wire insulation 1.9 5 Shore D Ingredient treaness wire insulation 1.9 5 Shore D Ingredient treaness wire insulation 1.9 5 Shore D Ingredient treaness wire insulation 1.9 4 5 °K Dameter of single wires 0.1 rm Conductor crossection (wire) 0.34 mm ² Material conductor wire Strand Class 6 Traversing distance (-Irack) 5 m @ 25 °C horizontal Normal votage (wire - wire) 2 XV @ 60 s Coreloctor	Stranding	4 wires twisted
Banding Fleece, Foll wire arrangement brown, black, blue, white Cable weigh 50.6 g/m Material jacket PUR Shore hardness jacket 90.4 5 Shore A Freedom from ingredients (jacket) 5.3 mm Tolerance outer diameter (jacket) 5.3 mm Tolerance outer diameter (jacket) 5.3 mm Outer diameter isolation 1.25 mm Outer diameter isolation 1.26 mm Outer diameter isolation 1.26 mm Outer diameter isolation 1.26 mm Outer diameter isolation 1.28 mm Outer diameter isolation 1.	Cable shielding (type)	copper braid, tinned
wire arrangement brown, black, blue, while Cable weight 50.6 g/m Matrial jackot PUR Shore hardness jacket 90 ± 5 Shore A Freedom from ingredients (jackot) lead free, cadmium free, CFC-free, halogen-free Ditor diameter (jackot) 5.3 mm Toterance outer diameter (installion PP Amount wines 4 Outer diameter (installion 1.28 mm Outer diameter installion 1.28 mm Outer diameter breance core inculuton ± 5 %. Shore harchess wire insulation 10 ± 5 %. Marent stand, (wire) 42 Diameter of single wires 0,1 mm Conductor vice (sector) 0.34 mm ⁵ Material conductor wire Siranded copper wire, bare Conductor vice (wire) 5 m @ 25 °C horizontal Nominal voltage AC max. 3000 V Current toad capacity (man, wire) 42 8 A Eleptricat resistance lin con	Cable shielding (coverage)	80 %
Cable weigh 50.6 g/m Material jacked PUR Material jacked 90 ± 5 Shore A Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, halogen-free, silicone-free Outer diameter (jacket) ± 5 % Material were insulation PP Amount wires 4 Outer diameter (insulation 1.25 mm Outer diameter insulation 1.25 mm Conductor vise insulation 1.05 Mm Diameter of single wires 0.1 mm Conductor vise oversection (wire) 0.34 mm² Conductor vise oversection (wire) 0.34 mm² </td <td>Banding</td> <td>Fleece, Foil</td>	Banding	Fleece, Foil
Material jacket PUR Shore hardness jacket 90 ± 5 Shore A Freedom from ingredients (jacket) Isea Free, cadmium-free, CFC-free, halogen-free Outer diameter (jacket) 5,3 mm Tolerance outer diameter (jacket) 5,3 mm Material wite insulation PP Amount wires 4 Outer diameter insulation 1,25 mm Mander Stack (wire) 42 Diameter of single wires 0,1 mm Conductor crossection (wire) 0,34 mm ² Material conductor wire Stard class 6 Traversing distarce (C-track) 5 m @ 25 ° (Indizontal Normal voltage AC max. 300 V Current load capacity (Islandard) to DIN VDE 0298.4 Current load capacity mixing voltage (wire - wire) 2 kV @ 60 s AC withstand voltage (wire - wire)<	wire arrangement	brown, black, blue, white
Shore hardness jacket 90 ± 5 Shore A Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, halogen-free, silicone-free Outer diameter (jacket) ± 5 % Material wrei insulation PP Amount wires 4 Outer diameter (sheath) ± 5 % Material wrei insulation 125 mm Outer diameter tolerance core insulation 1.25 mm Tore bardness wire insulation lead-free, cadmium-free, CFC-free, halogen-free, silicone-free Amount strands (wire) 42 Diameter of single wriss 0,1 mm Conductor roys wire insulation Isat-free, cadmium-free, Silicone-free Amount strands (wire) 0.34 mm² Conductor roys (wire) Strand class 6 Traversing distance (C track) 5 m @ 25 °C1 horizontal Nominal voltage AC max. 300 V Current load capacity (standard) to DN VDE 0298-4 Current load capacin min, wite 4.8 A <tr< td=""><td>Cable weigth</td><td>50,6 g/m</td></tr<>	Cable weigth	50,6 g/m
Freedom from ingredients (jacket)lead-free, cadmium-free, CFC-free, halogen-free, silicone-freeOutor-diameter (jacket)5,3 mmTolerance outer diameter (sheath)5,9 mmMaterial wire insulationPPAmount wires4Outer diameter trisulation125 mmOuter diameter trisulation70 ± 5 %hore DShore hardness wire insulation70 ± 5 %hore DIngredient freeness wire insulation70 ± 5 %hore DCancer diameter situation70 ± 5 %hore DIngredient freeness wire insulation70 ± 5 %hore DCanductor crosssection (wire)42Diameter of single wires0.1 mmConductor vorsesection (wire)0.34 mm²Material conductor wireStranded copper wire, bareConductor vorsesection (wire)5 m @ 25 °C horizontalNominal voltage AC max.300 VCurrent load capacity (standard)to DIN VDE Cog94.4Current load capacity (wine)2 kV @ 60 sPower frequency withstand voltage (wire - shield)2 kV @ 60 sAC withstand voltage (wire - shield)2 kV @ 60 sAG withstand voltage (wire - shield)2 kV @ 60 sMin. operating temperature (fixed)80 °C / 90 °C @ 10000 h OperationOperating temperature (fixed)60 °C / 90 °C @ 10000 h OperationOperating temperature (fixed)80 °C / 90 °C @ 10000 h OperationOperating temperature (fixed)60 °C / 90 °C @ 10000 h OperationOperating temperature (fixed)60 °C / 90 °C @ 10000 h OperationOperating temperature (fixed)60 °C / 90 °C @ 10000	Material jacket	PUR
Outer-diameter (jacket) 5,3 mm Tolerance outer diameter (sheath) 1.5 % Material wire insulation PP Amount wires 4 Outer diameter insulation 1.25 mm Outer diameter insulation 70.1.5 Shore D Ingredient freeness wire insulation 10.4 5 % Shore hardness wire insulation 10.4.5 Shore D Ingredient freeness wire insulation 16.4.5 Kee Diameter of slipe wires 0.1 mm Conductor crosssection (wire) 0.34 mm ² Conductor vire Stranded coppor wire, bare Current load capacity (stinudard) to DIN VDE 028-4 Current load capacity (stinudard) to DIN VDE 028-4 Current load capacity min. wire 4.8 A Electrical resistance line constant wire 57 C/Lm @ 20 °C AC withstand voltage (wire - wire) 2 kV @ 60 s Power requency withstand voltage (wire - wile)	Shore hardness jacket	90 ± 5 Shore A
Outer-diameter (jacket) 5,3 mm Tolerance outer diameter (sheath) 1.5 % Material wire insulation PP Amount wires 4 Outer diameter insulation 1.25 mm Outer diameter insulation 70.1.5 Shore D Ingredient freeness wire insulation 10.4 5 % Shore hardness wire insulation 10.4.5 Shore D Ingredient freeness wire insulation 16.4.5 Kee Diameter of slipe wires 0.1 mm Conductor crosssection (wire) 0.34 mm ² Conductor vire Stranded coppor wire, bare Current load capacity (stinudard) to DIN VDE 028-4 Current load capacity (stinudard) to DIN VDE 028-4 Current load capacity min. wire 4.8 A Electrical resistance line constant wire 57 C/Lm @ 20 °C AC withstand voltage (wire - wire) 2 kV @ 60 s Power requency withstand voltage (wire - wile)	Freedom from ingredients (jacket)	lead-free, cadmium-free, CFC-free, halogen-free, silicone-free
Material wire insulation PP Amount wires 4 Outer diameter insulation 1.25 mm Outer diameter insulation 1.5 % Shore hardness wire insulation 70.15 Shore D Ingredient freeness wire insulation 16.5 % Shore hardness wire insulation 10.1 Shore D Ingredient freeness wire insulation 12.6 Shore D Ingredient freeness wire insulation 12.6 Shore D Manuent stands (wire) 42 Diameter of single wires 0.1 mm Conductor vire Stranded copper wire, bare Conductor vire Stranded copper wire, bare <td< td=""><td></td><td></td></td<>		
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Outer diameter tolerance core insulation ± 5 % Shore hardness wire insulation 70 ± 5 Shore D Ingredient freeness wire insulation lead-free, cadmium-free, CFC-free, halogen-free, silicone-free Amount strands (wire) 42 Diameter of single wires 0,1 mm Conductor crosssection (wire) 0.34 mm ² Material conductor wire Stranded copper wire, bare Conductor type (wire) strand class 6 Traversing distance (C-track) 5 m @ 25 °C horizontal Nominal voltage AC max. 300 V Current load capacity (standard) to DIN VDE 0298-4 Current load capacity (wire - wire) 2 kV @ 60 s Power frequency withstand voltage (wire - shield) 2 kV @ 60 s AC withstand voltage (wire - shield) 2 kV @ 60 s Max. operating temperature (statc) -40 °C Max. operating temperature (statc) -40 °C Max operating temperature (statc) 80 °C / 90 °C @ 10000 h Operation Qreating temperature max. (dynamic) 28 °C C Operating temperature max. (dynamic) 80 °C / 90 °C @ 10000 h Operation Qreating temperature max. (dynamic) 80 °C / 90 °C @ 10000 h		
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Amount strands (wire)42Diameter of single wires0,1 mmConductor crosssection (wire)0,34 mm²Material conductor wireStranded copper wire, bareConductor type (wire)strand class 6Traversing distance (C-track)5 m @ 25 °C horizontalNominal voltage AC max.300 VCurrent load capacity (standard)to DIN VDE 0298-4Current load capacity (standard)to DIN VDE 0298-4Current load capacity min. wire4.8 AElectrical resistance line constant wire57 Ω/km @ 20 °CAC withstand voltage (wire - jacket)2 kV @ 60 sPower frequency withstand voltage (wire - jacket)2 kV @ 60 sAC withstand voltage (wire - jacket)2 kV @ 60 sAC withstand voltage (wire - jacket)2 kV @ 60 sAC withstand voltage (wire - serature (fixed)30 °C / 90 °C @ 10000 h OperationOperating temperature (static)-40 °CMax. operating temperature (static)-40 °CMax. operating temperature (fixed)80 °C / 90 °C @ 10000 h OperationUV resistanceDIN EN ISO 4892-2 AFlame resistanceIEC 6032-2-2 / UL 1581 § 1090 / UL 1581 § 1100 FT2chemical resistanceGood, application-related testingGasoline resistanceGood, application-related testingGasoline resistanceGood, application-related testingGasoline resistanceDIN EN 60811-404 Good, application-related testingGasoline resistanceDIN EN 60811-404 Good, application-related testingBending radius (fixed)5 x Outer diam		
Diameter of single wires 0,1 mm Conductor crosssection (wire) 0,34 mm² Material conductor wire Stranded copper wire, bare Conductor type (wire) strand class 6 Traversing distance (C-track) 5 m @ 25 °C horizontal Nominal voltage AC max. 300 V Current load capacity (standard) to DIN VDE 0298-4 Current load capacity (standard) to Wire 4.8 A Electrical resistance (no constant wire 57 0/km @ 20 °C AC withstand voltage (wire - wire) 2 kV @ 60 s Min. operating temperature (static) -40 °C Max. operating temperature (static) -40 °C Max. operating temperature (static) -40 °C Operating temperature (static) -60 °C (00000 h Operation <t< td=""><td></td><td></td></t<>		
Conductor crosssection (wire) 0.34 mm² Material conductor wire Stranded copper wire, bare Conductor type (wire) strand class 6 Traversing distance (C-track) 5 m @ 25 °C horizontal Nominal voltage AC max. 300 V Current load capacity (standard) to DIN VDE 0298-4 Current load capacity (standard) to DIN VDE 0298-4 Current load capacity (standard) to DIN VDE 0298-4 Current load capacity win, wire 4,8 A Electrical resistance line constant wire 57 Ω/km @ 20 °C AC withstand voltage (wire - wire) 2 kV @ 60 s Power frequency withstand voltage (wire - shield) 2 kV @ 60 s Max. operating temperature (static) -40 °C Max. operating temperature (static) -40 °C Max. operating temperature (static) -40 °C Operating temperature min. (dynamic) 280 °C / 90 °C @ 10000 h Operation UV resistance DIN EN ISO 4892-2 A Flame resistance IEC 60332-22 / UL 1581 § 1090 / UL 1581 § 1100 FT2 chemical resistance Good, application-related testing Gasoline resistance Good, application-related testing Gasoline resistance DIN EN 60811-404	· · ·	0.1 mm
Material conductor wire Stranded copper wire, bare Conductor type (wire) strand class 6 Traversing distance (C-track) 5 m @ 25 °C horizontal Nominal voltage AC max. 300 V Current load capacity (standard) to DIN VDE 0298-4 Current load capacity (standard) to DIN VDE 0298-4 Current load capacity min. wire 4.8 A Electrical resistance line constant wire 57 Ω/km @ 20 °C AC withstand voltage (wire - wire) 2 kV @ 60 s Power frequency withstand voltage (wire - shield) 2 kV @ 60 s AC withstand voltage (wire - shield) 2 kV @ 60 s Min. operating temperature (static) -40 °C Max. operating temperature (static) -40 °C Max. operating temperature max. (dynamic) -25 °C Operating temperature max. (dynamic) -25 °C Operating temperature max. (dynamic) 80 °C / 90 °C @ 10000 h Operation UV resistance DIN EN ISO 4892-2 A Flame resistance Good, application-related testing Gasoline resistance Good, application-related testing Gasoline resistance DIN EN 80811-404 Good, application-related testing		·
Conductor type (wire)strand class 6Traversing distance (C-track)5 m @ 25 °C horizontalNominal voltage AC max.300 VCurrent load capacity (standard)to DIN VDE 0298-4Current load capacity min. wire4.8 AElectrical resistance line constant wire57 Ω/km @ 20 °CAC withstand voltage (wire - wire)2 kV @ 60 sPower frequency withstand voltage (wire - shield)2 kV @ 60 sAC withstand voltage (wire - shield)2 kV @ 60 sAc withstand voltage (wire - shield)2 kV @ 60 sMax. operating temperature (static)-40 °CMax. operating temperature (fixed)80 °C / 90 °C @ 10000 h OperationOperating temperature min. (dynamic)-25 °COperating temperature max. (dynamic)80 °C / 90 °C @ 10000 h OperationUV resistanceDIN EN ISO 4892-2 AFlame resistanceEC 60322-22 UL 1581 § 1100 FT2Chemical resistanceGood, application-related testingGasoline resistanceDIN EN 60811-404 Good, application-related testingOil resistanceDIN EN 60811-404 Good, application-related testingOil resistanceDIN EN 60811-404 Good, application-related testingBending radius (fixed)5 × Outer diameterParvel speed (C-track)5 Mio. @ 25 °CNo. of torsion cycles2 Mio.Travel speed (C-track)5 Mio.X = X = X = X = X = X = X = X = X = X =		·
Traversing distance (C-track)5 m @ 25 °C horizontalNominal voltage AC max.300 VCurrent load capacity (standard)to DIN VDE 0298-4Current load capacity min. wire4.8 AElectrical resistance line constant wire57 Ω/km @ 20 °CAC withstand voltage (wire - wire)2 kV @ 60 sPower frequency withstand voltage (wire - shield)2 kV @ 60 sAC withstand voltage (wire - shield)2 kV @ 60 sMin. operating temperature (static)-40 °CMax. operating temperature (static)-40 °COperating temperature (static)-40 °CMax. operating temperature (static)-40 °COperating temperature (static)-25 °COperating temperature min. (dynamic)-25 °COperating temperature max. (dynamic)80 °C / 90 °C @ 10000 h OperationUV resistanceIEC 60332-22 I UL 1581 § 1090 UL 1581 § 1100 FT2chemical resistanceGood, application-related testingGil resistanceDIN EN 160 4892-2 AFlame resistanceGood, application-related testingOil resistanceGood, application-related testingOil resistanceDIN EN 6081-404 Good, application-related testingOil resistanceDIN EN 6081-404 Good, application-related testingBending radius (fixed)5 x Outer diameterTravel speed (C-track)5 Min. @ 25 °CNo. of torsion cycles2 Mio.Torsion stress± 30 °/m		
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No. of torsion cycles 2 Mio. Torsion stress ± 30 °/m	Bending radius (dynamic)	10 x Outer diameter
Torsion stress ± 30 °/m	Travel speed (C-track)	5 Mio. @ 25 °C
	No. of torsion cycles	2 Mio.
Torsion speed 35 cycles/min	Torsion stress	± 30 °/m
	Torsion speed	35 cycles/min

The information in this Product-PDF has been compiled with the utmost care. Liability for the correctness completeness and topicality of the information is restricted to gross negligence. Version: 2024-05-20

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